

**ANTIOXIDANTS AND ANTIOXIDANT BOOSTERS CAPABLE OF
PRODUCING HYDROPEROXYL RADICALS**

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Abstract of the Disclosure

An antioxidant which comprises a primary aliphatic hydroxyl group linked to an organic backbone such that upon oxidation a hydroperoxyl moiety capable of boosting the efficacy of free radical scavengers and hydroperoxide decomposer type antioxidants is generated in situ. The antioxidant is preferably a high hydroxyl polyol ester having a hydroxyl number ranging from about 30 to about 180 which ester is the reaction product of polyol and an acid which is at least fifty percent branched carboxylic acid, wherein the unconverted hydroxyl group is reacted with a facile leaving group, thereby producing free $\text{-CH}_2\text{OH}$ groups upon hydrolysis or oxidation.